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<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/696,805	LIANG ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Mohammed Hasan	2873	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--  
 All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12/16/2005.
2. ☒ The allowed claim(s) is/are 1, 3 - 46, 48.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                       |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance              |
|   | 9. <input type="checkbox"/> Other _____.  |

  
**RICKY MACK**  
 SUPERVISORY PATENT EXAMINER

## DETAILED ACTION

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

*ex. Nov 1/5/06*  
Authorization for this examiner's amendment was given in a telephone interview with Viola T. Kung on ~~December~~ *January* 5, 2006.

Claim 1 (currently amended) An electrophoretic display which comprises more than one layer of display cells filled with electrophoretic fluids and said filled display cells are sealed with a polymeric sealing layer which is formed from a sealing composition having a specific gravity lower than that of said electrophoretic fluids.

Claim 3 (currently amended) The display of claim 2 1 wherein said display cells are separated by partition walls.

Claim 6 (currently amended) The display of claim 2 1 wherein said polymeric sealing layer is in contact with the top surface of the electrophoretic fluid.

Cancel claim 50.

***Allowable Subject Matter***

2. Claims 1, 3 – 46, and 48 are allowed.
3. The following is an examiner's statement of reasons for allowance: The prior art taken either singularly or in a combination fails to anticipate or fairly suggest the limitations of the independent claims, in such a manner that rejection under 35 U.S.C. 102 or 103 would be proper. The prior art fails to teach a combination of all the claimed features as presented in independent claims 1, 25, 28 and 35, for example, which include, an electrophoretic display cells comprises more than one layer of display cells, the display cells has an upper display cell layer and a lower display cell layer, and display cells are sealed with a polymeric sealing layer which is formed from a sealing composition having a specific gravity lower than electrophoretic fluids and electrophoretic fluids comprising a mixture of black magnetic particles and white non-magnetic particles (claims 1 and 25 ); and a process for the preparation of an electrophoretic display of more than one layer of display cells process comprises : (a) preparing separately two layers of display cells , each having conductor film and a sealing side, (b) laminating one of the layers over the other optionally with an adhesive layer (claim 28); and process comprises (a) forming a first layer and first layer having a conductor film side and sealing side (b) forming a second layer of display cells on a transfer release layer (c) laminating a second layer over the first layer and removing the transfer release layer (d) optionally forming separately additional layers of display cells

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on transfer release layers and each layer having a transfer release layer side and a sealing side (e) laminating each of additionally layers over a stack of layers already formed and removing the transfer release layer (f) laminating a second conductor film over a stack (claim 35) (i.e., claim 35 allowed previous office action).

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The closest prior art as follows:

Ho et al (6,927,892 B2) discloses magnetophoretic and electromagnetophoretic displays.

Tseng et al (6,870,662 B2) methods of surface modification for improving electrophoretic display performance.

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mohammed Hasan whose telephone number is (571) 272-2331. The examiner can normally be reached on M-TH, 7:00 AM to 5:30 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky L Mack can be reached on (571) 272- 2333. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MH  
January 5, 2006

  
**RICKY MACK**  
**SUPERVISORY PATENT EXAMINER**